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PART 4

ADDENDUM TO THE FIRST CHECK-LIST OF
THE FLOWERING PLANTS AND FERNS OF
THE TRANSVAAL AND SWAZILAND

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PREFACE.

THIS ADDENDUM to the First Check-list of the Flowering Plants and Ferns of the Transvaal and Swaziland, published May, 1912, in the *Annals of the Transvaal Museum*, Vol. III. No. 3, is chiefly based upon records from the Transvaal Museum Herbarium. Further are included those records given in the parts of the *Flora Capensis* and the *Flora of Tropical Africa*, those in the issues of the *Kew Bulletin*, the *Journal of Botany*, the second edition of Sim's *Ferns of South Africa*, the *Beiträge zur Kenntnis der Afrikanischen Flora*, *Annals of the Bolus Herbarium*, etc., published since 1912.

This Addendum is far from complete, but it is only given as a first one, which will be followed by others.

The flora of the Transvaal is very rich and many parts of the country are either poorly or not at all botanically investigated; e.g. every collection of plants, sent to the Transvaal Museum Herbarium from Messina (Z.), where Archdeacon Rogers has collected to such a great extent, has added new records to the Transvaal Flora. But even amongst collections from non-tropical parts of the Transvaal I often found new records, to say nothing of the probably new species amongst those plants I only identified as far as the genus. The latter, of which there are a good many in the Transvaal Museum Herbarium, I have not included in this list, unless it is a genus new to the flora.

The ferns in the First Check-list I altered according to Sim's second edition of the *Ferns of South Africa*, the genus *Lotononis* is split up into *Lotononis* and *Pearsonia*, and in the Orchids, the Gramineae, the Lorantheae, the Crassulaceae, the Leguminosae and the Euphorbiaceae many alterations in the names had to be made to bring this List up to date. Here and there synonyms have been eliminated.

Incomplete as this List is, I expect it to be of use to the many workers in systematic Botany we have at present in the Transvaal.

R. P.

GLEICHENIACEAE.

Gleichenia linearis (Burm.) Clarke. Is *G. dichotoma* Willd. of first List.

HYMENOPHYLLACEAE.

Hymenophyllum Marlothii Brause. Kaapsche Hoop, Wager.

H. tunbridgense Sm. Kaapsche Hoop, Wager.

H. fumaroides Willd. Is *H. rarum* R.Br. of first List.

Trichomanes montanum Hook. Is *T. pusillum* Sw. of first List.

SCHIZAEACEAE.

Schizaea pectinata (L.) Sw. Kaapsche Hoop, Wager T.M.H. 1484.

CYATHEACEAE.

Hemitelia capensis (L.f.) Klf. Barberton, Thorncroft, 371; Burt-Davy, 4559.

POLYPODIACEAE.

Cystopteris fragilis (L.) Bernh. Mavriestad (E.), Mrs Pott, 4861.

Aspidium cicutarium (L.) Sw. Macmac, Ayres; Modjadjes (Ptbg.), Dec., Rogers, 18,103.

Polystichum aculeatum (L.) Schott. Barberton, J. Thorncroft; Pilgrim's Rest, Miss Collins.

P. aristatum (Forsk.) Presl. Is *Aspidium aristatum* Sw. of first List.

P. luctuosum Moore. Barberton, Dec., Mrs Pott, 5574; Thorncroft, T.M.H. 104; The Downs, Ptbg., Junod, 4044.

P. MacLeaii (Bkr.) Diels. Is *Aspidium MacLeaii* Bak. of first List.

P. pungens (Klf.) Presl. Is *Aspidium aculeatum* Sw. var. *pungens* of first List.

Cyrtomium falcatum (L.f.) Pr. Is *Aspidium falcatum* Sw. of first List.

Dryopteris africana (Desv.) C. Chr. Barberton, Miss Williams, T.M.H. 790.

D. athamantica (Kze.) O. Ktze. Is *Nephrodium athamanticum* Hook. of first List.

D. bergiana (Schl.) O. Ktze. Is *Nephrodium bergianum* Bak. of first List.

D. Buchanani (Bkr.) O. Ktze. Is *Nephrodium Buchanani* Bkr. of first List.

D. crenata (Forsk.) O. Ktze. Is *Nephrodium crenatum* (Forsk.) Sim of first List.

D. elongata (Sw.) Sim. Is *Nephrodium Filix-Mas* Rich. var. *elongatum* of first List.

D. gongyloides (Schk.) O. Ktze. Is *Nephrodium unitum* R.Br. of first List.

D. inaequalis (Schl.) O. Ktze. Woodbush, Dec., Mrs Pott, 4674; Pilgrim's Rest, Rogers, 14,377.

D. lanuginosa (Willd.) C. Chr. Is *Nephrodium catopteron* Hook. of first List.

D. mauritiana (Fée) C. Chr. Zoutpansberg, Nelson, 358.

D. mollis (Jacq.) Hieron. Is *Nephrodium molle* Desv. of first List.

D. prolifera (Retz.) C. Chr. Is *Polypodium proliferum* Presl. of first List.

D. silvatica (P. and R.) C. Chr. Is *Polypodium unitum* Hook. of first List.

D. thelypteris (L.) A. Gray. Is *Nephrodium Thelypteris* Desv. of first List.

Microlepia speluncae (L.) Moore. Is *Davallia speluncae* Bkr. of first List.

Blechnum attenuatum (Sw.) Mett. Is *Lomaria attenuata* Willd. of first List.

B. capense (L.) Schl. Pilgrim's Rest, Rogers, 18,673; The Downs (Ptbg.), Rogers, 21,945.

B. punctulatum Sw. Kaapsche Hoop, Wager.

B. tabulare (Thb.) Kuhn. Is *Lomaria boryana* Willd. of first List.

Asplenium abyssinicum Fée. Magaliesberg, Sanderson.

A. bipinnatum (Forsk.) C. Chr. Is *A. rutaefolium* Kze. of first List.

A. cuneatum Lam. var. *splendens* Kze. Woodbush, Jenkins, T.M.H. 798; Pilgrim's Rest, Miss Collins, T.M.H. 905.

A. lunulatum Sw. Is *A. erectum* Bory of first List.

A. lunulatum Sw. var. *gracile*. Is *A. erectum* Bory var. *lobatum* of first List.

A. platyneuron (L.) Oakes. Mavriestad (E.), Nov., Mrs Pott, 4860.

A. praemorsum Sw. Is *A. furcatum* Thb. of first List.

A. theciferum (H.B.K.) Mett. Is *Davallia concinna* Schrad. of first List.

Athyrium scandicinum (Willd.) Presl. Is *Asplenium aspidioides* Schl. of first List.

Gymnogramme aurea Desv. Is *C. argentea* Mett. var. *aurea* of first List.

Ceterach cordatum (Thb.) Desv. Is *Gymnogramme cordata* Schl. of first List.

C. cordatum (Thb.) Desv. var. *pinnatifidum* Sim. Heidelberg, Miss Leendertz, 1077; Zeerust, Jenkins, T.M.H. 985.

- Ceropteris calomelanos* (L.) Und. Transvaal, Herb. Bolus.
Pellaea dura (Willd.) Bkr. Magaliesberg, Burke; Rosehaugh, Sim.
P. Goudotii (Kze.) C. Chr. Is *P. pectiniformis* Baker of first List.
P. hastata (Thb.) Prtl. Is *P. calomelanos* Link. of first List.
P. pteroides (L.) Prtl. Kaapsche Hoop, Wager.
P. quadripinnata (Forsk.) Prtl. Is *P. consobrina* Hook. of first List.
P. viridis (Forsk.) Prtl. Is *P. hastata* Link. of first List.
Doryopteris concolor (L. and F.) Kuhn. Is *Pellaea geraniaefolis* Fée of first List.
Adiantopsis capensis (Thb.) Fée. Is *Cheilanthes capensis* Sw. of first List.
Hypolepis sparsisora (Schrad.) Kuhn. Haenertsburg, Nov., Mrs Pott, 4672; Selati Poort, Junod, 4430.
Pteris biaurita L. Is *P. quadriaurita* Retz. of first List.
P. dentata Forsk. Is *P. flabellata* Thb. of first List.
Pteridium aquilinum (L.) Kuhn. Is *Pteris aquilina* L. of first List.
Polypodium loxogramme Mett. Is *Gymnogramme lanceolata* Hook. of first List.
P. polypodioides (L.) Hitch. Is *P. incanum* Sw. of first List.
Elaphoglossum conforme (Sw.) Schott. var. *latifolium* Sim. Kaapsche Hoop, Wager.
E. petiolatum (Sw.) Urban. Is *Acrostichum viscosum* Sw. of first List.

MARSILIACEAE.

- Marsilia macrocarpa* Presl. var. *biloba* (Willd.) Sim. Transvaal, Burt-Davy.

SELAGINELLACEAE.

- Selaginella depressa* A. Br. Rosehaugh, Sim; Magaliesbergen, Mrs Pott, 3711.

TAXACEAE.

- Podocarpus gracillimus* Stapf. Houtboschberg, Nelson, 423.

APONOGETONACEAE.

- Aponogeton natalense* Oliv. Bronkhorstspuit, Oct., Janse, T.M.H. 9870; Carolina, Sept., Roberts, T.M.H. 15,873.

HYDROCHARITACEAE.

- Lagerosiphon muscoides* Harv. var. *major*. Vaal River, Nelson, 69; Standerton, Oct., Schlechter, 3464; Middelburg, Nov., Jenkins, T.M.H. 9862.

GRAMINEAE.

- Eriochrysis pallida* Munro. Is *Saccharum munroanum* Hack. of first List.
Eulalia sericea Stapf. Is *Pollinia villosa* Spreng. of first List.
Ischaemum purpurascens Stapf. Lijdenburg, Wilms, 1679.
Trachypogon plumosus Nees. Is *Trachypogon polymorphus* Nees var. *capensis* Hack. of first List.
Amphilophis glabra Stapf. Is *Andropogon intermedius* R.Br. var. *punctatus* Stapf. of first List.
A. insculpta Stapf. Barberton, Dec., Mrs Pott, 5541.
Monocymbium cerasiiforme Stapf. Is *Andropogon cerasiaeformis* Nees of first List.
Schizachyrium semiberbe Nees. Is *Andropogon hirtiflorus* Kunth var. *semiberbis* Stapf. of first List.
Andropogon Schinzii Hack. Johannesburg, Pillans, 1822.
Sorghum verticilliflorum Stapf. Is *Sorghum halepense* Nees var. *effusum* of first List.
S. versicolor J. N. Anderson. Rustenburg, Burt-Davy, 9305.
S. purpureo-sericeum Aschers. and Schweinf. Is *Andropogon purpureo-sericeus* Hack. of first List.
Hyparrhenia rufa Stapf. Is *Cymbopogon rufus* (Kth.) Rendle of first List.
H. hirta Stapf. Is *Cymbopogon hirtus* (L.) Stapf. of first List.
H. Ruprechtii Fourn. Is *Cymbopogon Ruprechtii* (Hack.) Rendle of first List.
Themeda triandra Forsk. Is *T. Forskalii* Hack. of first List.
Digitaria diagonalis Stapf. Pretoria, Jan., Miss Leendertz, 1090.
D. horizontalis Willd. White River, March, Rogers.
D. longiflora Pers. Woodbush, Jan., Wager, T.M.H. 12,582.
D. monodactyla Stapf. var. *explicata* Stapf. Various localities.
D. tricholaenoides Stapf. Various localities.
Panicum obscurum Stapf. Pretoria, March, Miss Leendertz, 4417.

- Panicum stagninum* Koenig. Potchefstroom, March, Miss Leendertz, 3266.
P. subulifolium Mez. Haenertsburg, Nov., Mrs Pott, 4802.
P. typhurum Stapf. Woodbush, Jan., Wager, T.M.H. 13,858.
Brachiaria brizantha Stapf. Is *Panicum brizanthum* Hochst. of first List.
B. Isachne Stapf. Is *Panicum Isachne* Roth of first List.
B. nigropedata Stapf. Is *Panicum nigropedatum* Munro of first List.
B. regularis Stapf. Shilovane, Junod, 123.
B. serrata Stapf. Is *Panicum serratum* Spreng. of first List
Pennisetum typhoideum Rich. Spelonken, Nelson, 83.
Sporobolus discoporus Nees. Sixmiles Spruit, Oct., Schlechter, 3580.
S. pectinatus Hack. var. *coloratus*. Johannesburg, April, Mrs Hutton, 253.
Eragrostis aspera Nees. Onderstepoort, T.M.H. 14,808.
E. tenella Stapf var. *plumosa*. Maxabeni, March, Schlechter, 4659; Pietersburg, April, Rogers; Kaapsche Hoop, March, Rogers, 20,825.

CYPERACEAE.

- Scirpus dioecus* Boeck. Warmbaths, Aug., Miss Leendertz, 1168.
S. griquensium C.B.Cl. Spitskop (E.), Dec., Mrs Pott, 5230.
Bulbostylis trichobasis C.B.Cl. Pretoria, Nov, Miss Leendertz, 1646.

ARACEAE.

- Zantedeschia aethiopica* Spreng. Mavrierstad (E.), Nov., Mrs Pott, 5290.
Z. albomaculata Baill. Volksrust, Jan., Jenkins, T.M.H. 9286.
Z. melanoleuca Engl. Barberton, Dec., Thorncroft, T.M.H. 2758; Duivelskloof, Dec., Mrs Haar, T.M.H. 10,457; Hlatikulu (Sw.), Nov., Miss Collins, T.M.H. 13,660.

JUNCACEAE.

- Juncus gracilis* N.E.Br. Near Modderfontein, Conrath. 1173.
J. lomatophyllus Spreng. Haenertsburg, Nov., Mrs Pott; Barberton, Oct., Thorncroft, 1041.

LILLIACEAE.

- Sandersonia aurantiaca* Hook. Hlatikulu (Sw.), Jan., Miss Stewart, T.M.H. 9522.
Anthericum erythrorrhizum Conrath. Modderfontein, Conrath, 777.
Kniphofia sarmentosa Kunth. Modderfontein, Conrath.
Aloe aculeata Pole-Evans. Zoutpansberg, Pienaar and Wickens.
A. affinis Berg. Lijdenburg, Aug., Wilms, T.M.H. 10,168.
A. Barbertoniae Pole-Evans. Barberton, Thorncroft; Swaziland, Davis.
A. davyana Schönl. Pretoria, May, Miss Leendertz, 166.
A. globuligemma Pole-Evans. M'Phathlele Location (Z.), Wickens and Pienaar.
A. longibracteata Pole-Evans. Near Lijdenburg, Pole-Evans.
A. Marshallii Wood and Evans. Piet Retief, Dec., Jenkins, T.M.H. 12,038.
A. myriacantha R. and S. Barberton, May, T. Thorncroft, T.M.H. 4345; Pilgrim's Rest, Feb., Miss Collins, T.M.H. 9897.
A. petricola Pole-Evans. Nelspruit, Pole-Evans; Elandshoek and Kaap Valley, Thorncroft.
A. Pienarii Pole-Evans. Smit's Drift (Ptbg.), Jan., Pienaar.
A. pretoriensis Pole-Evans. Pretoria, June, Miss Leendertz, 618; Miss Collins, T.M.H. 7137; Lijdenburg; Barberton and Lebombo Mountains.
A. sessiliflora Pole-Evans. Barberton, Wickens, Thorncroft.
A. Simii Pole-Evans. Near Sabie, Jan., Sim.
A. suprafoliata Pole-Evans. Swaziland, Davis; Lebombo Range, Warner; Forbes Reef, Roberts.
A. Thorncroftii Pole-Evans. Barberton, Sept., Thorncroft.
A. Verecunda Pole-Evans. Near Haenertsburg, Dec., Pienaar.
A. Wickensii Pole-Evans. M'Phathlele Location (Z.), Wickens and Pienaar.
Sansevieria deserti N.E.Br. Messina, Sept., Rogers, T.M.H. 18,813.
S. guineensis Willd. Is *S. thyrsoflora* Thunb. of first List.

AMARYLLIDACEAE.

- Pancratium spec.* Messina, Dec., Rogers, T.M.H. 19,337; Pienaaarsrivier; Lijdenburg.

DIOSCOREACEAE.

Dioscorea dregeana Baker. Barberton, Dec., Mrs Pott, 5457; Waterval Onder, Dec. and Feb., Rogers, 14,300, 14,477.

IRIDACEAE.

- Gladiolus aurantiacus* Klatt. Hlatikulu (Sw.), Oct., Miss Stewart, T.M.H. 10,247; Piet Retief, Nov., Miss Collins, T.M.H. 13,626.
G. brachyphyllus Bol. f. Selati Railway, June, Rogers, 11,807.
G. inclusus Bol. f. Pilgrim's Rest, Dec., Rogers, 14,311.
G. magaliesmontanus Bol. f. Magaliesberg, near Aapies River, Nov., Schlechter, 3627.
G. marginatus Bol. f. Near Lijdenburg, Jan., Wilms, T.M.H. 6457.
G. pretoriensis O. Ktze. Pretoria, Jan.-March, Schlechter, 4151, Miss Leendertz, 603; Zeerust, Jan., Mrs Pott, 4406.
G. purpureo-auratus Hook. f. Volksrust, Jan., Jenkins, T.M.H. 9290.
G. varius Bol. f. Pilgrim's Rest, March, Rogers, 14,601.
G. varius Bol. f. var. *brevifolius*. Saddleback Mountain (Barb.), Feb., Galpin, 828.
G. varius Bol. f. var. *elatus*. Barberton, March, Galpin, 860.

MUSACEAE.

Musa Davyae Stapf. Houtboschberg, Burt-Davy.

ZINGIBERACEAE.

Kaempferia Ethelae Wood. Barberton, Steytler in Herb. Bolus, 6396; Nelspruit, Wilhelm, 4163; Spelonken, Mingard, 19; New Agatha, Reckenzaan, 6095; Groot Letaba, Swierstra, T.M.H. 2497.

ORCHIDACEAE.

- Holothrix Reckii* Bolus. Koedoes Poort (Pr.), Sept., L. Reck, Col. Herb. 1003; Pretoria, Sept., Miss Leendertz, 258; Knoppiesfontein (R.), Sept., Jenkins, T.M.H. 7207.
Brachycorythis Junodiana Kränzl. Shilovane, Junod, 2784.
B. ovata Ldl. Is *Platanthera ovata* (Ldl.) Schltr. of first List.
B. pubescens Harv. Is *Platanthera Brachycorythis* Schltr. of first List.
B. schlechteriana Kränzl. Transvaal, Schlechter.
B. Tysoni Bolus. Is *Neobolusia Tysoni* Schltr. of first List.
Habenaria Barbertoni Kränzl. and Schltr. Barberton, Culver, 81; Koedoes Poort, Reck, 165; Ermelo, Miss Leendertz, 3115.
H. bicolor Conrath and Kränzl. Modderfontein, Conrath, 1083.
H. foliosa Reichb. f. Is *H. polyphylla* Kränzl. of first List.
H. Galpini Bolus. Near Johannesburg, Galpin, 392; near Lijdenburg, Wilms, 1356, 1383.
H. incurva Rolfe. Transvaal, Galpin, 392.
H. orangana Reichb. f. Belfast, Burt-Davy, 1298; between Pilgrim's Rest and Sabie Falls, Burt-Davy, 5061; Bamboo Mountain, Drakensberg, Miss Doidge, 5573; Wakkerstroom, Jan., Roberts, T.M.H. 12,774.
H. polypodantha Reichb. f. Krokodilpoort (Pr.), April, Breyer, T.M.H. 13,843.
H. Rehmanni Bolus. Woodbush, Rehmann, 5780; near Barberton, Culver, 74.
H. Tysoni Bolus. Is *H. dregeana* Ldl. var. *Tysoni* of first List.
H. umvotensis Rolfe. Umvoti Creek, Barberton, Culver, 30, Galpin, 954.
Bonatea antennifera Rolfe. Potchefstroom, McLea in Herb. Bolus, 3028; Koedoes Poort (Pr.), Reck, 38, 58; Groenkloof, near Pretoria, Burt-Davy, 2430; near Potgietersrust, Burt-Davy, 5631.
B. Boltoni Bolus. Barberton, Culver, 18; Houtbosch, Schlechter, 4381.
Satyrion Atherstonei Reichb. f. Is *S. trinerve* Ldl. of first List.
S. wilmsianum Kränzl. Spitskop (Lij.), Wilms, 1380.
Schizochilus Gerrardi Bolus. Devils Knuckles (Lij.), Wilms, 1385.
S. Rehmanni Rolfe. Woodbush, Rehmann, 5849; near Lijdenburg, Atherstone; Macmac, Mudd.
S. strictus Rolfe. Is *Platanthera Zeyheri* (Sd.) Schltr. of first List.
S. transvaalensis Rolfe. Near Lijdenburg, Atherstone; Macmac, Mudd; Graskop, Burt-Davy, 1464.
Brownleea Nelsoni Rolfe. Transvaal, Nelson, 16.

- Monodenia lydenbergensis* Kränzl. Crocodile River (Lij.), Wilms, 1364.
Disa laeta Reichb. f. Is *D. Culveri* Schltr. of first List.
D. pulchra Sond. Hlatikulu (Sw.), Miss Stewart.
Disperis cardiophora Harv. Transvaal, Sanderson.
D. ermelensis Rolfe. Near Ermelo, Todd in Herb. Wood, 3176.
D. Nelsonii Rolfe. Houtbosch Mountains, Nelson, 493.
Eulophia aculeata Spreng. Barberton, Culver, 86.
E. Bakeri Rolfe. Near Johannesburg, Baker.
E. calanthoides Schltr. Near Nylstroom, Burt-Davy, 2011; Potgietersrust, Rogers, T.M.H. 2500.
E. inaemoena Kränzl. Shilovane, Junod, 2587.
E. latipetala Rolfe. Houtbosch, Bolus, 10,975.
E. Nelsoni Rolfe. Pretoria district, Nelson, 297; Spitskop (E.), Scheepers, T.M.H. 15,024.
E. papillosa Schltr. Barberton, Thorncroft, T.M.H. 4857; Mrs Pott, 5382.
E. Rehmanni Rolfe. Houtbosch, Rehmann, 5845.
E. stenantha Schltr. Elandspruit Mountains, Schlechter, 4004.
E. Stewartiae Rolfe. Hlatikulu (Sw.), Miss Stewart, 41.
E. Watkinsonii Rolfe. Ermelo, Watkinson; near Barberton, Galpin, 509; Swaziland, Miss Stewart, 42.
Lissochilus Rehmannii Rolfe. Aapies River, Rehmann, 4297; Pretoria, McLea in Herb. Bolus, 5819 a, Miss Tennant, 4040; Koedoes Poort, near Pretoria, Reck, T.M.H. 1004.
L. transvaalensis Rolfe. Tzaneen (Ptbg.), Burt-Davy, 2900.
L. Wakefieldii Reichb. f. and S. Moore. Potgietersrust, Miss Leendertz, 1929.

PIPERACEAE.

- Peperomia retusa* A. Dietr. var. *ciliolata* C.DC. Barberton, Jan., Janse, T.M.H. 9876; Belfast, Dec., Miss Leendertz, 2938.

ULMACEAE.

- Chaetachme aristata* Planch. Barberton, Dec., Mrs Pott, 5699.
C. microcarpa Rdl. Potgietersrust, May, Rogers, T.M.H. 17,732.

MORACEAE.

- Ficus ingens* Miq. Limpopo Valley, Umkiva, Hutchins, 14
F. mallotocarpa Warb. Limpopo Valley, Hutchins, 17.
F. Petersii Warb. Is { *Ficus Galpinii* Warb. of first List.
 { *F. Dinteri* Warb. of first List.
 { *F. Schinziana* Warb. of first List.

URTICACEAE.

- Fleurya peduncularis* Wedd. of first List is a synonym of *F. capensis* Wedd.

LORANTHACEAE.

- Loranthus Galpinii* Schinz. Barberton, Nov., Miss Williams, T.M.H. 7668; Kaap River Valley, Galpin, 896.
L. garcianus Engl. Komati Poort, Kirk, 75.
L. kalachariensis Schinz. Potgietersrust, Tr. Col. Herb, 4557; Swaziland, Miss Stewart, T.M.H. 8897; Buffelskraal, Palala (Wg.), July, Dr Breyer in T.M.H.
L. Kirkii Oliv. Messina, Dec., Rogers, 22,122.
L. kraussianus Meisn. var. *transvaalensis* Sprague. Is *L. kraussianus* Meisn. of first List.
L. Moorei Sprague. Near Barberton, Moore.
L. namaquensis Harv. of first List is a synonym of *L. olaefolius* Cham. and Schl.
L. olaefolius Cham. and Schl. Various localities.
L. olaefolius Cham. and Schl. var. *Leendertziae* Sprague. Potgietersrust, Aug., Miss Leendertz, 1142.
L. quinquenervis Hochst. Transvaal, Sanderson.
L. rubromarginatus Engl. Is *L. glabriflorus* Conrath of first List.
Viscum combreticola Engl. Is *V. dichotomum* Harv. of first List.

SANTALACEAE.

- Thesium asterias* A. A. Hill. Various localities.
T. Burkei A. W. Hill. Various localities.
T. costatum A. W. Hill. Various localities.
T. cytisoides A. W. Hill. Waterval Onder, Jan., Jenkins, T.M.H. 6767.
T. floribundum A. W. Hill. Various localities.
T. goetzeanum Engl. Heidelberg, Schlechter, 4792; Houtbosch, Bolus, 11,158, 11,159.
T. gracilarioides A. W. Hill. Barberton, Galpin, 543; Swaziland, Saltmarshe in Herb Galpin, 1048.
T. gypsophiloides A. W. Hill. Near Barberton, Galpin, 758.
T. hirsutum A. W. Hill. Heidelberg, Gilfillan, 244.
T. impletum A. W. Hill. var. *rasum*. Pretoria, Rehmann, 4544; Suikerbosch Rand, Schlechter, 3507.
T. Junodii A. W. Hill. Shilovane, Junod, 1301; Haenertsburg, Dec., Mrs Pott, 4778.
T. magaliesmontanum Sond. Various localities.
T. natalense Sond. Shilovane, Junod, 749; near Lijdenburg, Schlechter, 3953; Bethal, Dec., Mrs Pott, 3623.
T. Nationae A. W. Hill. Rustenburg, Miss Nation, 266.
T. palliolatum A. W. Hill. Potgietersrust, Bolus, 11,008.
T. resedoides A. W. Hill. Warmbaths, Sept., Miss Leendertz, 1335, 1353.
T. spartioides A. W. Hill. Brugspruit, Nov., Schlechter, 3754; Vereeniging, Nov., Mrs Pott, 3940.
T. triflorum Thunb. Barberton, Dec., Mrs Pott, 5510; Shilovane, Junod, 523.
T. utile A. W. Hill. Various localities.

OLACACEAE.

- Ximenia caffra* Sond. Various localities.

AMARANTACEAE.

- Guilleminea illecebrionoides* Kth. Warmbaths, Jan., Miss Leendertz, 2010.
Hermestaedia capitata Schinz. Sandfontein, Jan., Schlechter, 4239; Warmbaths, Jan., Miss Leendertz, 2017.
Pupalia atropurpurea Moq. Johburg, Rogers, 1314; Pietersburg, Rogers, 13,639.
Psilotrichum africanum Oliv. Komati Poort, Rogers.

PHYTOLACCACEAE.

- Giesekia pharnaceoides* L. var. *pedunculata* Oliv. Rogers, 20,018.
G. pentadecandra E. Mey. Various localities.
Limeum glomeratum E. and Z. Standerton, Jan., Mrs Pott, 4104.

AIZOACEAE.

- Mollugo hirta* Th. Rogers, 19,446.
M. hirta Th. var. *virens* Fzl. Moss and Rogers, 67.
M. verticillata L. Rogers, 19,488.
Trianthema pentrandrum L. Rooiplaat (Pr.), March, Miss Leendertz, 776; Warmbaths, Jan., Miss Leendertz, 2005; Rustenburg, Oct., Mrs Pott, 3440; Swaziland, Nov., Miss Stewart, T.M.H. 10,234.
T. transvaalense Schinz. Madsaba, March, Schlechter, 4876; Haenertsburg, Nov., Mrs Pott, 4785.
Mesembrianthemum hamatum L. Bolus. Heidelberg, Nov., Miss Leendertz, 2460; Bloemhof, Roe in Herb. Bolus, 13,484.
M. nubigenum Schltr. Magaliesberg, Oct., Mrs Pott, 3738.
Pharnaceum pentandra Retz. Komati Poort, Rogers, 12,623.
P. Zeyheri Sond. Magaliesberg, Burke and Zeyher.

CARYOPHYLLACEAE.

- Cerastium dregeanum* Fzl. Spitskop (E.), Dec., Mrs Pott, 5117.
Dianthus micropetalus Ser. Various localities.

RANUNCULACEAE.

- Knowltonia glabricarpellata* Hutch. Kl. Olifant River, Schlechter, 3825.

Ranunculus Baurii McOwan. Various localities.

R. Cooperi Oliv. of first List is a synonym of *R. Baurii* McOwan.

Thalictrum minus L. Vaalriver, Nelson, 71; Vereeniging, Nov., Mrs Pott, 3753.

MENISPERMACEAE.

Coccolus villosus DC. Blauwkop (Z.), July, Dr Breyer; Silwane's location (Ptbg.), July, Dr Breyer, T.M.H. 17,581.

Stephania discolor Spreng. Barberton, Thorncroft, 637.

ANONACEAE.

Hexalobus senegalensis A.DC. Waterpoort (Z.), Sept., Rogers, 21,545.

PAPAVERACEAE.

Fumaria Mundtii Spreng. Mavriestad (E.), Nov., in shady kloof, Mrs Pott, 5133.

CRUCIFERAE.

Arabis perfoliata Lam. Goede Hoop Farm (E.), Dec., Mrs Pott, 5134.

Brassica pachypoda Thellung. Various localities.

Roripa nudiuscula (E. Mey) Thellung. Pretoria, Rehmann, 4234; Suikerboschrand, Schlechter, 3483; Shilovane, Junod, 1334.

CAPPARIDACEAE.

Cleome chilocalyx Oliv. Rayton (Pr.), Rogers, 12,906.

Capparis transvaalensis Schinz. Prope Mailas Kop, Schlechter, 4512.

Cadaba natalensis Sond. Barberton, June, Thorncroft, T.M.H. 2482.

Maerua rigida R.Br. Komati Poort, Nov., Rogers, T.M.H. 13,283.

CRASSULACEAE.

Cotyledon trigyna Burch. Various localities.

C. Wickensii Schönl. Smit's Drift, Wickens; Zoutpansberg, Hardenberg, T.M.H. 12,990.

Kalanchoe glandulosa Hochst. var. *tomentosa*. Nylstroom, May, Rogers, T.M.H. 2508; Spelonken, Nov., Jenkins, T.M.H. 8162; Hlatikulu (Sw.), June, Miss Stewart, T.M.H. 8840.

K. Junodii Schinz. Shilovane, Junod.

K. sexangularis N.E.Br. Barberton, Thorncroft.

Crassula Cooperi Rgl. var. *Krugersdorp*, Jan., Jenkins, 10,369 T.M.H.

C. filamentosa Schönl. Fairy Glen (Pr.), March, Miss Leendertz, 1121; Houtbosch, Rehmann, 5966.

C. inaequalis Schönl. Hlatikulu (Sw.), March, Miss Stewart, 108, T.M.H. 9624.

C. natans Thb. (Forma *obovata*). Belfast, Jan., Jenkins, T.M.H. 6780.

C. pectinata Conrath. Modderfontein, Conrath, 287.

C. peploides Harv. Lijdenburg, Oct., Dr Wilms, T.M.H. 6473.

C. perfoliata L. var. Barberton, June, Thorncroft, T.M.H. 10,393.

C. transvaalensis O.K. Is *C. subulata* Hook. of first List.

C. Vaillantii (Willd.) Schönl. Hooge Veld, Rehmann, 6688.

ROSACEAE.

Alchemilla Wilmsii Engl. Near Middelburg, Wilms, 458; Middelburg, Nov., Jenkins, T.M.H. 9837; Ermelo, Dec., Mrs Pott, 4945; Belfast, Dec., Miss Leendertz, 2697.

Rubus rigidis Sm. Heidelberg, Dec., Miss Leendertz, 1069; Rustenburg, Oct., Mrs Pott, 3380; Barberton, Nov., Miss Williams, T.M.H. 7658.

R. rigidis Sm. var. *chrysocarpus*. Near Pretoria, Nov., Miss Leendertz, 661; Groot Olifants River, Nov., v. Niekerk, T.M.H. 7563.

Sanguisorba muricata Spach. Bethal, Dec., Mrs Pott, 3570.

LEGUMINOSAE.

Albizzia nearest A. *anthelmintica* Bronqn. Waterpoort (Z.), Sept., Rogers, 21,504.

A. hypoleuca Oliv. Komati Poort, Dec., Rogers, 22,246.

Acacia Benthami Rochbr. Is *A. arabica* Willd. var. *kraussiana* of first List.

A. Karroo Hayne. Is *A. horrida* Willd. of first List.

- Acacia ferox* Bth.
A. heteracantha, Burch. } of first List are doubtful species.
A. rehmanniana Schinz }
Erythrophloeum guineense Don (as far as material to hand). Mashishimale (Z.),
 March, T.M.H. 19,423.
Cassia holosericea Fresen. Newington (Ptbg.), Rogers, 22,504; Moss and Rogers, 36.
Pleiospora (*Phaenohoffmannia*) Bolusii Dümml. Houtbosch, Bolus, 10,995.
P. cajanifolia Harv. Various localities.
P. gracilifolia Dümml. McLea in Herb. Bolus, 5621.
P. holosericea Schinz. Various localities.
P. latebracteolata Dümml. Various localities.
P. macrophylla Dümml. Macmac, Atherstone.
P. paniculata Dümml. Houtbosch, Bolus, 11,034.
P. obovata Schinz. Houtbosch, Rehmann, 6249; Waterval Boven, Feb., Rogers,
 14,468.
P. obovata Schinz var. *brevipedunculata* Dümml. Macmac, Atherstone.
Lotononis Bainesii Baker. Various localities.
L. calycina Bth. var. *acuta* Dümml. Lijdenburg, Wilms, 272, 273.
L. calycina Bth. var. *hirsutissima* Dümml. Various localities.
L. dichiloides Sond. Mavriestad (E.), Dec., Mrs Pott, 5071.
L. Gerrardi Dümml. var. *transvaalensis*. Kl. Olifant River, Schlechter, 3809.
L. humilior Dümml. Lijdenburg, Wilms, 274.
L. lanceolata Bth. Johannesburg, Rand, 1111; Belfast, Dec., Miss Leendertz, 2866.
L. laxa E. and Z. var. *multiflora* Dümml. Various localities.
L. Marlothii Engl. Christiana, Nelson, 197.
L. pulchra Dümml. Lijdenburg, Wilms, 280.
L. sericiflora Dümml. Standerton, Rehmann, 6802; Standerton, Jan., Mrs Pott,
 4101; Ermelo, Feb., Miss Leendertz, 3036.
L. solitudinis Dümml. Carolina, Nov., Rademacher, T.M.H. 7271.
L. transvaalensis Dümml. Various localities.
L. Wilmsii Dümml. Between Middelburg and Crocodile River, Wilms, 277.
L. Woodii Bolus. Standerton, Rehmann, 6794.
Pearsonia aristata Dümml. Is *Lotononis aristata* Schinz of first List.
P. Atherstonei Dümml. Various localities.
P. filifolia Dümml. Is *Lotononis filifolia* Bolus of first List.
P. marginata Dümml. Is *Lotononis marginata* of first List.
P. multiflora Dümml. Is *Lotononis multiflora* Schinz of first List.
P. multiflora Dümml. var. *Stewartii* Dümml. Swaziland, Miss Stewart.
P. podalyriaefolia Dümml. Swaziland, Saltmarshe in Herb. Galpin, 989.
P. propinqua Dümml. Lijdenburg, Wilms, 261; near Middelburg, Wilms, 261 c.
P. Rogersii Dümml. Is *Lotononis Rogersii* Kensit of first List.
P. sessilifolia Dümml. Is *Lotononis sessilifolia* Harv. of first List.
P. swaziensis Dümml. Is *Lotononis swaziensis* Bolus of first List.
Melolobium Wilmsii Harms. Between Drakensbergen and Pretoria, Wilms, 302.
Crotalaria distans Bth. Silwane's location, July, Dr Breyer, T.M.H. 18,652.
C. grantiana Harv. Madsaba, March, Schlechter, 4585.
C. lanceolata E. Mey. Barberton district, different collectors in T.M.H.
C. maxillaris Klotzsch. Near Pretoria, March, Miss Leendertz, 761; Zeerust, Jan.,
 Mrs Pott, 4369; Potchefstroom, March, Miss Leendertz, 3199.
C. Monteiroi Taub. Selati, July, Dr Breyer, T.M.H. 18,653.
C. natalitia Meisn. Barberton, Dec., Mrs Pott, 5337; Hlatikulu (Sw.), June, Miss
 Stewart, T.M.H. 8978.
C. petiolaris Franch. var. *australis* Bak. f. Pietersburg, Bolus, 10,375
C. pilulicarpa Taub. var. *Schinzii* Bak. f. Pietersburg, Bolus, 10,915.
C. Schinzii Bak. f. Sandriver, Schlechter, 4589.
C. spartioides DC. Matebe Valley, Holub; Zeerust, Jan., Mrs Pott, 4258.
C. spinosa Hochst. var. *Schlechteri* Bak. f. Magaliesberg, Nov., Schlechter, 3675;
 Beestkraal (R.), Dec., Jenkins, T.M.H. 6973.
C. squarrosa Schinz var. *Dinteri* Bak. f. Transvaal, Schlechter, 4263.
Argyrobolium longifolium Walp. Various localities.
A. Muddii Dümml. Macmac, Mudd.

- Argyrobium Wilmsii* Harms. Lijdenburg, Wilms, 257.
Buchenroedera viminea Presl. Farm Nooit Gedacht (E.), Dec., Mrs Pott, 5070.
Lotus nearest *L. arabicus* L. Messina, Dec., Rogers, 20,702.
Indigofera rufescens E. Mey. Spitskop (E.), Dec., Mrs Pott, 5083.
I. stricta L. Pretoria, Jan., Miss Leendertz, 551.
Psoralea Wilmsii Harms. Various localities.
Teramnus labialis Spr. Lijdenburg, Wilms, T.M.H. 5890; Pretoria, Dec., Miss Leendertz, 460; Shilovane, March, Junod, T.M.H. 4930.
Tephrosia macropoda E. Mey. Haenertsburg, Nov., Mrs Pott, 4636; Hlatikuku (Sw.), Miss Stewart, T.M.H. 9533; Nelspruit, Dec., Dr Breyer, T.M.H. 17,873.
T. nubica Baker. Waterpoort (Z.), Sept., Rogers, 21,524.
Sesbania punctata DC. Macoutsie, July, Dr Breyer, T.M.H. 18,664.
S. tetraptera Hochst. Brakrivier, March, Schlechter, 4620.
Lessertia perennans DC. var. *sericea*. Germiston, Rogers, 12,199 c.
L. perennans DC. var. *polystachya* Harv. Is *L. polystachya* Harv. of first List.
Astragalus burkeanus Bth. Koedoes Poort, May, Miss Leendertz, 627; Haenertsburg, Nov., Mrs Pott, 4519; The Downs (Ptgb.), Dec., Rogers and Moss.
Desmodium dregeanum Bth. Shilovane, March, Junod, T.M.H. 5284.
D. natalitium Sond. Barberton, Dec., Mrs Pott, 5334.
Dalbergia melanoxylon Guill. and Perr. Komati Poort, Dec., Rogers, 22,171; Moss and Rogers, 580.
Mucuna urens DC. Shilovane, Junod, 2393.
Rhynchosia komatiensis Harms. Between Spitskop and Komati River, Wilms, 374.
R. secunda E. and Z. Carolina, Dec., Rademacher, T.M.H. 10,491; Ermelo, Feb., Miss Leendertz, 3120; Rustenburg, Oct., Mrs Pott, 3431.
Pueraria ficifolia L. Bolus. Is *Rhynchosia ficifolia* Bth. of first List.
P. Rogersii L. Bolus. Selati Railway, Rogers, 11,806.

GERANIACEAE.

- Geranium incanum* L. Various localities.
G. incanum L. var. Farm Goede Hoop, Dec., Mrs Pott, 4971.
Pelargonium Bowkeri Harv.
P. reniforme Curt. Wolmaransstad, Feb., Rogers, 22,704; Boksburg, Jan., Breyer, T.M.H. 15,519.
P. zonale Willd. Waterval Onder, Rogers, 632.

ERYTHROXYLACEAE.

- Erythroxyton caffrum* Sond. Near Barberton, Oct., Thorncroft, 1045.

ZYGOPHYLLACEAE.

- Tribulus Zeyheri* Sond. On lands of Mapagoni (Z.), July, Dr Breyer, T.M.H. 16,044; Messina, March, Rogers, 19,373.

CONNARACEAE.

- Cnetis natalensis* Planch. and Sond. Haenertsburg, Nov., Mrs Pott, 4477.

RUTACEAE.

- Fagara Davyi* Verdoorn. Woodbush, Grenfell in Col. Herb. 1094; Pototato Bush (Ptbg.), Burt-Davy, 1166; Eastwood in Col. Herb., 1298; Forbes's Reef Bush (Sw.), Burt-Davy, 2753.
F. Thorncroftii Verdoorn. Barberton, Dec., Thorncroft in T.M.H. 9616.
F. capensis Thunb. Is *Xanthoxylon capense* Harv. of first List.
Thamnosma africanum Engl. The Downs (Ptbg.), Nov., Rogers, 22,000.
Toddalia aculeata Lam. Modjadjes (Ptbg.), Dec., Rogers, 18,119.
T. natalensis Sond. Waterpoort (Z.), Sept., Rogers, 21,542; Kaapsche Hoop, Aug., Rogers, T.M.H. 18,798.

BURSERACEAE.

- Commiphora* species. New species collected at Messina by Archdeacon Rogers.
C. lugardae N.E.Br. Messina, March, Rogers, 20,762.

MELIACEAE.

- Turraea obtusifolia* Hochst. Rustenburg, Feb., van Dam, T.M.H. 16,517; Nelspruit,

- Dec., Dr Breyer, T.M.H. 17,692; Geelhoutkop (Wg.), Jan., Dr Breyer, T.M.H. 17,826; Kaapsche Hoop, March, Rogers, 20,828.
 T. nilotica Kotschy. Free State Mine (Z.), June, Dr Breyer, T.M.H. 17,571; The Downs, Nov., Rogers, T.M.H. 18,935 (in fruit).

POLYGALACEAE.

- Polygala hispida* Burch. Vlakfontein (E.), Rogers, 11,522.
P. Rehmanni Chodat.
P. rigens A.DC.
Muraltia azorella Chod. Lijdenburg.
M. conjuncta Chod. Swazieland, Galpin, 531.
M. empetroides Chod. Houtbosch.

EUPHORBIACEAE.

- Monadenium Lugardae* N.E.Br. Great Letaba, near Birthday Road, June, Dr Breyer in T.M.H.
Elaeophorbia acuta N.E.Br. Transvaal, Burtt-Davy.
Euphorbia Bolusii N.E.Br. Near Middelburg, Bolus, 9767.
E. clavigera N.E.Br. Near Bremersdorp (Sw.), Burtt-Davy, 3010.
E. enormis N.E.Br. Pietersburg, Marloth, 5144
E. epicyparissias E. Mey. Is *E. involucrata* E. Mey of first List.
E. Evansii Pax. Near Barberton, Evans; Potgietersrust, Burtt-Davy, 5657.
E. glauccella Pax. Waterpoort (Z.), Rogers, 22,505.
E. Gueinzii Boiss. Various localities.
E. hirta L. Is *E. pilulifera* of first List.
E. hypericifolia L. Shilovane, Junod, 644; Kaap Muiden, Thorncroft, 758; Hlatikulu (Sw.), July, Miss Stewart, T.M.H. 8868.
E. inaequilatera Sond. Is *E. sanguinea* Hochst. of first List.
E. ingens E. Mey. Near Barberton, Pole-Evans, 2919, 2931; Potgietersrust, Burtt-Davy, 2200, 5658.
E. kraussiana Bernh. var. β . Houtbosch, Rehmann, 5913; Barberton, Dec., Thorncroft, 768; Mrs Pott, 5441; The Downs (Ptbg.), July, Rogers, 20,358.
E. natalensis Bernh. Ermelo, Burtt-Davy, 5402; Tzaneen, Nov., Rogers, 12,580.
E. neopolycnemoides Pax and Hoffm. Various localities.
E. Tirucalli L. Moorddrift, Oct., Miss Leendertz, 2245; Potgietersrust, Madge, 8443; Marloth, 5146; Burtt-Davy, 1700; Mafutane, Bolus, 12,279; Komati Poort, June, Rogers.
E. transvaalensis Schltr. Is *E. Galpini* Pax of first List.
E. trichadenia Pax. Various localities.
E. truncata N.E.Br. Various localities.
Bridelia cathartica Bertol. Komati Poort, Kirk, 100; Rogers, T.M.H. 16,007; Barberton, Pole-Evans, 2945.
B. mollis Hutch. Various localities.
B. stipularis Blume in first List is an Indian species.
Croton Gubouga S. Moore. Olifants River (Lg.), Pole-Evans; Pietersburg district (specimens in fruit in T.M.H.).
C. subgratissimus Prain. Is *C. gratissimus* Burch. of first List.
C. sylvaticus Hochst. Modjadjes (Ptbg.), Rogers, 18,120.
Flüggea microcarpa Blume. Barberton, Thorncroft, Rogers, Mrs Pott; Potgietersrust Sept. and Jan., Miss Leendertz, 1244, 1940.
Jatropha pseudoglandulifera Pax. Messina, Dec., Moss and Rogers, 78.
Cluytia affinis Sond. Pietersburg and Lijdenburg districts.
C. hirsuta E. Mey. Various localities.
C. laxa Eckl. Lijdenburg, Wilms, 1318; Barberton, Galpin, 934.
C. monticola S. Moore. Various localities.
C. virgata Pax and Hoffm. Various localities.
Acalypha angustata Sond. Many localities.
A. caperonioides Baill. Many localities.
A. caperonioides Baill. var. *Galpini* Prain. Barberton, Galpin, 1106.
A. ciliata Forsk. Shilovane, Junod, 2188, 1028.
A. depressinervia K. Schum Is *A. Schinzii* Pax of first List.

- Acalypha glabrata* Thb. Crocodile River (Pr.), Feb., Miss Leendertz, 716; Barberton, Dec. Mrs Pott, 5507; Shilovane, Junod, 1100.
A. glabrata Thb. var. *latifolia* Müll. Arg. Goedgedacht, March, Schlechter, 4602; Barberton, Jan., Miss Thorncroft, T.M.H. 4328; Krokodilpoort (Pr.), May, Dr Breyer, T.M.H. 13,852.
A. glabrata Thb. var. *pilosa* Pax. Near Goedgedacht, Schlechter, 4602 partly.
A. punctata Meisn. Various localities.
A. punctata Meisn. var. *longifolia* Prain. Various localities.
A. punctata Meisn. var. *Rogersii* Prain. Various localities.
A. segetalis Müll. Arg. Various localities.
A. senensis Klotz. Various localities.
A. Wilmsii Pax. Various localities.
Adenocline acuta (Thb.) Baill. Mavieriestad (E.), Nov., Mrs Pott, 4961; Barberton, Dec., Mrs Pott, 5491.
Plukenetia africana Sond. Palalariver (Wg.), Jan., Dr Breyer, T.M.H. 18,071.
Dalechampia Kirkii Prain. Komati Poort, Kirk, 60.
Ctenomeria capensis Harv. Barberton, Dec., Mrs Pott, 5494.
Tragia affinis Müll. Arg. Vaal River, Zeyher, 1526.
T. incisifolia Prain. Near Komati River, Bolus, 9779; Komati Poort, Schlechter, 11,781.
T. natalensis Sond. Barberton, Dec., Mrs Pott, 5497.
T. Rogersii Prain. Waterval Onder, Oct., Rogers, T.M.H. 2597.
T. Sonderi Prain. Crocodile River, Burke; Magaliesberg, Zeyher and Burke; near Mbabane (Sw.), Bolus, 12,290.
Phyllanthus Rogersi Hutch. Haenertsburg, Rogers, 19,023.

ANACARDIACEAE.

- Heeria pulcherrima* Oliv. The Downs (Ptbg.), Nov., Rogers, 22,005.
Odina velutina Rich. Messina, Dec., Rogers, 22,119.
Rhus Coriacea Engl. Is *R. magalismsontana* Sond. of first List.
R. gracillima Engl. Is *R. filiformis* Schinz of first List.
R. villosa L.f. of first List is included in *R. incana* Mill.

HIPPOCRATEACEAE.

- Hippocratea obtusifolia* Roxb. Waterpoort (Z.), Sept., Rogers, 21,544.

MELIANTHACEAE.

- Bersama transvaalensis* Turrill. Barberton, Thorncroft, 817.

RHAMNACEAE.

- Phylica paniculata* Willd. Transvaal.

VITACEAE.

- Cissus capensis* Willd. Rietfontein (Ptbg.), Sept., Miss Leendertz, 833; Elandshoek, Sept., Rogers, T.M.H. 4848.
C. fragilis E. Mey. Barberton, Dec., Mrs Pott, 5694.

TILIACEAE.

- Corchorus hirsutus* L. Geelhoutkop (Wg.), Jan., Dr Breyer, T.M.H. 17,821; Messina, Sept., Rogers, 19,356; Wyliespoort (Z.), Feb., Dr Breyer, T.M.H. 19,572.
C. tridens L. Motepe, March, Schlechter, 4627; Rooiplaat (Pr.), Feb., Dr Breyer, T.M.H. 15,176; Barberton, Dec., Mrs Pott, 5629.
Grewia rhytidophylla K. Schum. Messina, Moss and Rogers, 17,101.
G. villosa Willd. Messina, Moss and Rogers, 77.

MALVACEAE.

- Abutilon angulatum* Mast. Shilovane, March, Junod, T.M.H. 5261; Ngelele River (Z.), July, Dr Breyer, T.M.H. 16,024.
Hibiscus aponeurus Spr. and Hutch. Joes Luck, near Barberton, Miss Thorncroft, Nov., T.M.H. 4989; Nelspruit, Dec., Dr Breyer, T.M.H. 17,961.
H. diversifolius L. Selati Railway, Rogers, 2708.
H. lunariifolius Wall. Various localities.
H. surattensis L. Hlatikulu (Sw.), June, Miss Stewart, T.M.H. 13,953.
H. ternatus Mast. Letsitele, Rogers, 2673

STERCULIACEAE.

- Melhania prostrata* DC. Is *M. rostrata* DC. of first List.
Dombeya rotundifolia Harv. Is *D. densiflora* of first List.
Hermannia comosa Burch. Christiania, Nelson, 200.
H. grisea Schinz. Near Brakriver, March, Schlechter, 4631.
H. grosseserrata Schinz. Matye, March, Schlechter, 4628.
H. macowanii (Szyszy.) Schinz. Marabastad, March, Schlechter, 4683.
Sterculia triphaca R.Br. Ngelelle River (Z.), July, Dr Breyer, T.M.H. 16,009; Waterpoort (Z.), Sept., Rogers, 21,535.

ELATINACEAE.

- Bergia suffuticosa* Fzl. Messina, Sept., Rogers, 19,303.

CANELLACEAE.

- Warburgia Breyeri* Pott. Near Macoutsie River, July, Dr Breyer, T.M.H. 17,573.

FLACOURTIACEAE.

- Trimeria trinervis* Harv. Mavieriestad (E.), Nov., Mrs Pott, 5115.
Scolopia Mundtii (Arn.) Warb. Farm Nooit Gedacht (E.), Dec., Mrs Pott, 5097.
S. Zeyheri Arn. Derde Poort (Pr.), July, Miss Leendertz, 190.

TURNERACEAE.

- Wormskioldia glandulifera* Klotzsch. Griffin Mine (Z.), Jan., Dr Breyer, T.M.H. 15,629; Messina, June, Rogers, 19,405.
W. serrata Hochst. Maxaben, March, Schlechter, 4671; Messina, March, Rogers, 20,823.

PASSIFLORACEAE.

- Trypsohemma arenophilum* Pott. Warmbaths, Jan., Miss Leendertz, 2062.
Adenia glauca Schinz. Magaliesberg, between Kameelpoort and Elandsriver, Rehmann, 4799; Vygeboompoort (Wg.), Oct., van Dam, T.M.H. 13,715.
A. multiflora Pott. Baviaanspoort (Pr.), Dr Fehrson, T.M.H. 13,786.
A. Schlechteri Harms.
A. stenophylla Harms. Lijdenburg, Dec., Wilms, 941.
A. Wilmsii Harms. Lijdenburg, Nov., Wilms, 961; August, Wilms, 1897.

THYMELAEACEAE.

- Lasiosiphon canoargentea* C. H. Wright. Near Lijdenburg, Wilms, 1298; MacLea in Herb. Bolus, 3020.
L. hoepfnerianus Vatke. Vereeniging, Leslie.
L. similis C. H. Wright. Warmbaths, Sept., Miss Leendertz, 1314.
L. Wilmsii C. H. Wright. Near the Vaal River, Wilms, 1299; near Crocodile River, Wilms, 1299 b.
Arthrosolen polycephalus C. A. Mey. Sterkstroom River, Burke, 517; Bloemhof, July, Barrett-Hamilton, T.M.H. 6410.
A. sericocephala Meisn. Various localities.
A. variabilis C. H. Wright. Various localities.
Gnidia fastigiata Rendle var. *hirsuta* Pearson. Johannesburg, Rand, 899.
G. linoides Wikstr. Pretoria, Burt-Davy, 685; Rustenburg, Miss Pegler, 977.
G. ovalifolia Meisn. Macmac, Mudd.
G. pinifolia L. Magaliesberg, Burke.

LYTHRACEAE.

- Ammannia salsuginosa* Guill. and Perr. Magalaguena River, April, Schlechter, 4771; Komati Poort, April, Rogers, T.M.H. 4795; Swaziland, Sept., Miss Stewart, T.M.H. 10,650; Nelspruit, Dec., Dr Breyer, T.M.H. 17,712.
Nesaea sagittifolia (Sond.) var. *glabrescens*. Transvaal, Rehmann, 6796.

MYRTACEAE.

- Eugenia pusilla* N.E.Br. Near Amsterdam (E.), Forbes.

MELASTOMACEAE.

- Dissotis princeps* Triana. New Agatha, June, Rogers, 18,890.

HALORHAGIDACEAE.

Serpicula repens L. Haenertsburg, Nov., Mrs Pott, 4759.

UMBELLIFERAE.

Alepidea basinuda Pott. Woodbush, Nov., Jenkins, T.M.H. 7443; Haenertsburg, Nov., Mrs Pott, 4656.

A. comosa Dümm. Modderfontein, Conrath, 321.

A. Jacobsziae Dümm. Lijdenburg, April, Jenkins, T.M.H. 10,331.

A. Jenkinsii Pott. Middelburg, Nov., Jenkins, T.M.H. 9858.

A. longeciliata Schinz. Between Middelburg and Crocodile River, Wilms, 567; Carolina, Nov., Rademacher, T.M.H. 8197.

Bupleurum Mundtii Cham. and Schl. Zeerust, March, Jenkins, T.M.H. 11,662; Waterval Boven, June, Rogers; Crocodile River, Dec., Schlechter, 3917.

OLEACEAE.

Jasminum transvaalense Sp. Moore. Modjadjes (Ptbg.), Rogers, 18,108.

ASCLEPIADACEAE.

Raphionacme divaricata Harv. var. β . Various localities.

Tacazzea apiculata Oliv. var. *benedicta*. Komati Poort, Nov., Rogers, 12,633.

Schizoglossum cordifolium E. Mey. Haenertsburg, Nov., Mrs Pott, 4650; Tzaneen, Nov., Rogers, 12,480.

S. robustum Schltr. var. *pubiflorum* N.E.Br. Godwan River, Feb., Jenkins, T.M.H. 10,399; Spitskop (E.), Jan., Scheepers, T.M.H. 15,046; Pretoria, Jan., Miss Collins, T.M.H. 12,658.

Pachycarpus macrochilus N.E.Br. Goede Hoop (E.), Dec., Mrs Pott, 4895.

P. plicatus N.E.Br. Spitskop (E.), Dec., Mrs Pott, 5241.

Sisyranthus imbertis Harv. Haenertsburg, Nov., Mrs Pott, 4649; Mavieriestad, Nov., Mrs Pott, 4901.

Ceropegia multiflora Baker, var. *latifolia* N.E.Br. Pretoria, Jan., March, Mrs Pott, 4740, 4825.

C. Thornecroftii N.E.Br. Barberton, Thornecroft; Kaap Valley, March, J. Thornecroft, T.M.H. 11,359.

Tavarehia Barklyi N.E.Br. var. *grandiflora*. Louis Trichardt, Gettleffi, T.M.H. 11,459.

*Huernia carnos*a Stent. Zilikats Nek, Magaliesberg, Pole-Evans, 11,020 in U.D.A. Herbarium.

H. transvaalensis Stent. Crocodile River, Magaliesberg, Pole-Evans.

H. zebrina N.E.Br. Near Komati Poort, van Dam, T.M.H. 15,635.

Davalia polita N.E.Br. Zeerust, Jan., Mrs Pott, 4353.

D. transvaalensis Schltr. var. *parviflora* L. Bolus. Near Naboomspruit, Galpin, 8467.

Stapelia Gettleffii Pott. Louis Trichardt, Gettleffi, T.M.H. 9643.

CONVOLVULACEAE.

Dichondra repens Forst. Zeerust, Jan., Mrs Pott, 4170; Wolhuterskop, Nov., Miss Nunns, T.M.H. 18,772; Spelonken, Feb., Junod, 38.

Ipomoea bathycolpos Hall. var. *sinuato-dentata*. Lijdenburg, Jan., Wilms, T.M.H. 5808; Geelhoutkop (Wg.), Jan., Dr Breyer, T.M.H. 17,799.

I. magnusiana Schinz. Various localities.

I. palmata Forsk. Waterval Boven, Nov., Rogers, 18,512; Blauwkop (Z.), Aug. Dr Breyer, T.M.H. 16,035.

Jacquemontia capitata G. Don. Barberton, Dec., Mrs Pott, 5476; Lomato River, April, Jenkins, T.M.H. 9913.

Merremia angustifolia Hook. f. Various localities.

M. pinnata Hall. f. Nelspruit, Oct., Dr Breyer, T.M.H. 17,704.

BORAGINEAE.

Heliotropium zeylanicum Lam. Lekker Kraal, Jan., Krantz, T.M.H. 6421; Spelonken, Sept., Jenkins, T.M.H. 8157; Swaziland, July, Miss Stewart, T.M.H. 8814; Great Letaba, June, Dr Breyer, T.M.H. 17,576; Ngelelle (Z.), July, Dr Breyer, T.M.H. 16,038.

VERBENACEAE.

- Lantana Camara* L. Pretoria, Oct., Mrs Pott, 5710.
Vitex mooliensis Pearson var. *Rudolphi*. Barberton, Dec., Mrs Pott, 5683; Nelspruit, Oct., Dr Breyer, T.M.H. 18,350.
V. harveyana Pearson. Komati Poort, Nov., Rogers, T.M.H. 13,278.

LABIATAE.

- Plectranthus Thorncroftii* Sp. Moore. Barberton, J. Thorncroft, Herb. Rogers, 16,987.
Thorncroftia longiflora N.E.Br. Joes Luck, near Barberton, April, Thorncroft, 795.
Leucas glabrata R.Br. Various localities.
Salvia africana L. Pilgrim's Rest, July, Rogers.

SOLANACEAE.

- Solanum bifurcum* Hochst. Haenertsburg, Nov., Mrs Pott, 4498.
S. aculeastrum Dun. Haenertsburg, Nov., Mrs Pott, 4653.
S. nodiflorum Jacq. Barberton, Oct., Thorncroft, 1043.

SCROPHULARIACEAE.

- Harveya crispula* Conrath. Irene, Conrath, 966.
Sphenandra viscosa Bth. of first List is a synonym of *Sutera caerulea* Hiern.

BIGNONIACEAE.

- Markhamia acuminata* K. Schum. Messina, March, Rogers, 20,767.

PEDALIACEAE.

- Sesamum alatum* Thonn. Swaziland, July, Miss Stewart, T.M.H. 8819; Nelspruit, Nov., Rogers, T.M.H. 3036; Messina, March, Rogers, 20,848.
Sesamothamnus Lugardii N.E.Br. Messina, Dec., Rogers, 22,116.

GESNERACEAE.

- Streptocarpus pusillus* Harv. Volksrust, Jan., Jenkins, T.M.H. 9311; Belfast, Dec., Miss Leendertz, 2679; Mavrieriad (E.), Nov., Mrs Pott, 5005; Barberton, Dec., Mrs Pott, 5456.
S. denticulata Turrill. Barberton, Feb., Thorncroft, T.M.H. 18,283.

ACANTHACEAE.

- Thunbergia dregeana* Nees. Nelspruit, Feb., Dr Breyer, T.M.H. 17,895.
Hygrophila Rehmannii Schinz. Between Elandsriver and Klippan, Rehmann, 5056.
Dyschoriste Rogersii Sp. Moore. Transvaal, Rogers, 12,876.
Crabbea pedunculata N.E.Br. Waterval Boven, Nov., Rogers, 18,509.
C. velutina Sp. Moore. Vygeboomspruit (Z.), June, Dr Breyer, T.M.H. 18,658.
Blepharis Clarkei Schinz. Blauwberg, March, Schlechter, 4657; Warmbaths, Jan. Miss Leendertz, 2048; Majuba's Kloof (Ptbg.), Nov., Mrs Pott, 4776.
B. transvaalensis Schinz. Blauwberg, March, Schlechter, 4655; Rooiplaat (Pr), March, Miss Leendertz, 784.
Crossandra subacaulis C.B.Cl. Tzaneen, Nov., Rogers, 12,583.
Anisotes Rogersiae Sp. Moore. Messina, Rogers, 19,349.
A. sessiliflorus C.B.Cl. Between Ngelelle and Nuanetsi, July, Dr Breyer, T.M.H. 16,082; Messina, March, Rogers, 20,842.
Dicliptera zeylanica Nees. Harmony Block (Ptg.), July, Dr Breyer, T.M.H. 17,568.
Disperma transvaalense C.B.Cl. Elandsriver, Rehmann, 4892.
Ecobolium nearest *E. amplexicaule*. Komati Poort, Jan., Rogers, 22,488.
Monechma Welwitschii C.B.Cl. Messina, March, Rogers, 20,843.
Rhinacanthus spec. Messina, Feb., Rogers, 22,599.

RUBIACEAE.

- Oldenlandia macrophylla* DC. Haenertsburg, Nov., Mrs Pott, 4818; Komati Poort, Nov., Rogers, T.M.H. 13,287; Nelspruit, Dec., Dr Breyer, T.M.H. 17,720.
Gardenia resiniflua Hiern. Messina, Aug., March, Rogers, 19,489, 20,181.
Tricalysia floribunda (Harv.) K. Schum. Komati Poort, Nov., Rogers, T.M.H. 13,284.
T. bracteata Hiern. Waterpoort (Z.), Sept., Rogers.

Pachystigma pygmaea Schltr. Is *Vangueria pygmaea* Schltr. of first List.
Pavetta assimilis Sond. Various localities.
Spermacoce natalensis Hochst. Various localities.

DIPSACEAE.

Cephalaria attenuata R. and S. var. β . Standerton, Jan., Mrs Pott, 4052; Onderstepoort, Feb., ex Theiler's Lab.; Messina, March, Rogers, 20,862.
Scabiosa transvaalensis Sp. Moore. Pilgrim's Rest, Dec., Rogers, 14,361, 14,999; Spitskop, Wilms, 619.

CUCURBITACEAE.

Melothria acutifolia Cogn. Elandsriver, Rehmann, 4904, 4905.
Cucumis africanus L. var. *acutilobus* Cogn. Transvaal, Rehmann, 5169, 6311.
C. hirsutus Sond. var. *dissectus* Cogn. Transvaal, Rehmann, 6310.
Trochomeria Hookeri Harv. var. *quinquepartita* Cogn. Transvaal, Rehmann, 6304.
T. pectinata Cogn. var. *subintegriifolia* Cogn. Transvaal, Rehmann, 6309.
Corrallocarpus sphaerocarpus Cogn. β , *scaberrimus* Cogn. Boschveld, Rehmann, 4953, 5170.
C. sphaerocarpus Cogn. γ , *subhastatus* Cogn. Klippan, Rehmann, 5160.
Raphanocarpus spec. Griffin Mine (Z.), Jan., Dr Breyer, T.M.H. 19,725.

CAMPANULACEAE.

Wahlenbergia multiflora Conrath. Modderfontein, Conrath, 563.
W. gracillima Sp. Moore. On the Selati River, between Komati Poort and Letaba River, Rogers, 2684.
Cyphia Rogersii Sp. Moore. Modjadjes (Ptbg.), Rogers, 18,212.

COMPOSITAE.

Erlangea spec. Hlatikulu (Sw.), May, Miss Stewart, T.M.H. 12,872; The Downs (Ptbg.), Nov., Rogers, 21,932.
Vernonia cineria Less. The Downs (Ptbg.), July, Rogers, 20,115.
V. crataegifolia Hutch. Barberton, Galpin, 1350; Lijdenburg, April, Jenkins, T.M.H. 10,329.
V. dregeana Sch. Bip. Nooit Gedacht (E.), Dec., Mrs Pott, 4880; Piet Retief, Oct., Miss Collins, T.M.H. 13,950.
V. glabra Vatke. Various localities.
V. mespilifolia Less. Barberton, Dec., Thorncroft, T.M.H. 9609; Hlatikulu (Sw.), March, Miss Stewart, T.M.H. 9632.
V. pinifolia Less. Piet Retief, Dec., Jenkins, T.M.H. 10,950; Volksrust, Jan., Jenkins, T.M.H. 11,036.
V. primulina Hoffm. Harmony Block (Ptbg.), June, Dr Breyer, T.M.H. 17,566.
V. Randii Sp. Moore. Various localities.
V. Schlechteri O. Hoffm. Lijdenburg, Aug., Wilms.
Dichrocephala latifolia DC. Lijdenburg, April, Wilms, T.M.H. 6446.
Felicia elongatus Thb. var. Messina, March, Rogers, 20,752.
F. lutea N.E.Br. Various localities.
Psiadia arabica J. and Sh. Messina, Rogers, 20,002.
Nidorella depauperata Harv. Various localities.
N. hirta DC. Lijdenburg, Jan., Wilms, T.M.H. 5804.
Conyza pinnatifida Less. Groenkloof (R.), Dec., van Dam, T.M.H. 12,003.
Blumea aurita DC. Ngelele River (Z.), July, Dr Breyer, T.M.H. 16,089.
Helichrysum epapposum Bolus. 'Mpone Berg, March, Schlechter, 4735.
H. eriophorum Conrath. Irene, Conrath, 432.
H. floccosum Klatt. Various localities.
H. steneopteron DC. Various localities.
H. umbraculigerum Less. Houtboschberg, March, Schlechter, 4733; Shilovane, Junod, 2340; Pilgrim's Rest, April, Rogers, 18,554.
H. undatum Less. Various localities.
Anagypha latifolia Sp. Moore. Pilgrim's Rest, Dec., Rogers, 14,319.
Pentatricha alata Sp. Moore. Pilgrim's Rest, Rogers, 18,667.
Monactinocephalus paniculatus Klatt. Houtbosch, Rehmann, 6068.
Pegolettia senegalensis Cass. Great Letaba, June, Dr Breyer, T.M.H. 18,661.

- Calostephane divaricata* Benth. Nuanetsi River, July, Dr Breyer, T.M.H. 16,053;
 Silwane's location (Ptbg.), July, Dr Breyer, T.M.H. 17,567.
Gegeria acaulis Benth. and Hook. Messina, Dec., Rogers, 22,265.
G. aspera Harv. Various localities.
Eclipta erecta L. Komati Poort, June, Rogers, T.M.H. 2345.
Coreopsis Steppia Steetz. The Downs (Ptbg.), July, Rogers, 20,104.
Thelesperma scabiosoides Less. Vereeniging, Nov., Mrs Pott, 3841.
Lasiospermum radiatum Trev. Vereeniging, Nov., Mrs Pott, 3882.
Matricaria multiflora Fzl. Sabie, Nov., Rogers, 18,604.
M. nigellaefolia DC. Nuanetsi River (Z.), July, Dr Breyer, T.M.H. 16,059.
M. pilifera Thell. Elandspruitbergen, Schlechter, 3846.
Schistostephium saxicola Hutch. Johsburg, Gilfillan in Herb. Galpin, 6218; Modderfontein, Conrath, 402; Houtbosch, Rehmann, 6082.
S. villosum Hutch. Swaziland, Hlatikulu, Miss Stewart, 77.
Brachymeris athanasioides Hutch. Is Pentzia athanasioides S. Moore of first List.
B. montana Hutch. Various localities.
Lopholaena segmentata Sp. Moore. Lijdenburg, Jan., Wilms, T.M.H. 10,770;
 Barberton, Jan., J. Thorncroft, T.M.H. 3962; Spitskop (E.), Dec., Mrs Pott, 5017.
Cineraria lyrata DC. Standerton, Jan., Mrs Pott, 4076; Vereeniging, Nov., Mrs Pott, 3850.
C. canescens Wendl. var. Standerton, Jan., Mrs Pott.
Senecio Conrathii N.E.Br. Modderfontein, Conrath, 1202.
S. isatideus DC. Lijdenburg, March, Wilms, T.M.H. 10,769; Zeerust, Jan., Mrs Pott, 4395; Spitskop (E.), Dec., Mrs Pott, 4876; Germiston, Nov., Rogers, 12,197.
S. Johannesburgensis Sp. Moore var. *dentatus* Volksrust, Rogers, 19,007.
S. latissimifolius Sp. Moore. Pilgrim's Rest, Rogers, 14,946.
S. macrophyllus Phillips. Houtbosch, Feb., Bolus, 10,993; Lijdenburg, Dec., Schlechter, 3956.
S. Ommannei Sp. Moore. Johannesburg, Ommanney, 111.
S. oxyriaefolius DC. The Downs (Ptbg.), Nov., Rogers, 21,906.
S. panduraefolius Harv. Hlatikulu (Sw.), March, Miss Stewart, T.M.H. 10,090;
 Lijdenburg, Nov., Wilms, T.M.H. 6468; Shilovane, April, Junod, T.M.H. 5282;
 Sabie, March, Rogers, 18,649.
S. pinnulatus Thunb. Various localities.
S. rhomboideus Harv. Spitskop (E.), Dec., Mrs Pott, 4875.
S. subcoriaceus Schltr. Bethal, Dec., Mrs Pott, 3658.
S. thyrsoides DC. Graskop, Oct., Thorncroft, 979.
S. urophyllus Conrath. Modderfontein, Conrath, 1202.
S. vimineus DC. Potgietersrust, Oct., Miss Leendertz, 1235.
Dimorphotheca caulescens Harv. Various localities.
Tripteris auriculata Sp. Moore. The Downs (Ptbg.), Rogers, 20,243.
Ursinia natalensis N.E.Br. Barberton, Jan., J. Thorncroft, T.M.H. 2830; Hlatikulu (Sw.), Nov., Miss Stewart, T.M.H. 9561.
Venedium Bellidiastrum Sp. Moore. Standerton, Rogers, 18,758.
Berkheyopsis Rehmannii Thell. Between Elandsriver and Klippan, Rehmann, 5078;
 Elandsriver, Rehmann, 4962; Makapansbergen, Streydpoort, Rehmann, 5453.
Berkheya cousinoides Sp. Moore. Lijdenburg, Rogers, 14,546.
B. polyacantha Sp. Moore. Standerton, Rogers, 18,459.
Carduus pycnocephalus L. Volksrust, Jan., Jenkins, T.M.H. 9932.
Gerbera speciosa Sp. Moore. Pilgrim's Rest, Dec., Rogers, 14,322.
G. natalensis Sch. Bip. of first List is a synonym of *G. viridifolia* Sch. Bip.